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UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No.		D5547
First II	nventor	Zhengbai Liu
Title	Control Strate	gy For HCCI-CD Combustion

(Only for new nonprovisional applications under 37 CFR 1.53(b)) **APPLICATION ELEMENTS**

press Mail Label No.	EL 995290319 US		
ADDRESS TO: i	Assistant Commissioner for Patents & SBOX Patent Application Washington, DC 20231		
7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)			

See MPEP chapter 600 concerning utility patent application contents.	Washington, DC 20231
1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status.	 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission
See 37 CFR 1.27. Specification [Total Pages 18] - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table,	 (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: CD-ROM or CD-R (2 copies); or paper
or a computer program listing appendix - Background of the Invention	c. Statements verifying identity of above copies
- Brief Summary of the Invention	ACCOMPANYING APPLICATION PARTS
- Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure	9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement (when there is an assignee) Attorney
4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 4] 5. Oath or Declaration [Total Pages 2]	11. English Translation Document (if applicable) 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449
a. Newly executed (original or copy) Copy from a prior application (37 CFR 1.63 (d)) (for continuationIdivisional with Box 18 completed)	13. Preliminary Amendment 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
i. <u>DELETION OF INVENTOR(S)</u>	15. Certified Copy of Priority Document(s) (if foreign priority is claimed)
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
6. Application Data Sheet. See 37 CFR 1.76	17. Other:
18. If a CONTINUING APPLICATION, check appropriate box, and supply or in an Application Data Sheet under 37 CFR 1.76:	the requisite information below and in a preliminary amendment,
Continuation Divisional Continuation-in-part (CIP)	of prior application No.:
Prior application information: Examiner	Group Art Unit:
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the page 15 to 15	prior application, from which an oath or declaration is supplied under

Box 5b, is considered a part of	of the disclosure of the accompanying of the disclosure of the accompanying of the disclosure of the d	ontinuation or di	visional application and is	hereby incorpor	
	19. CORRESP	ONDENCE AD	DRESS		
Customer Number or Bar C	Sode Label (Inscri@ustomer No. crA		or	Correspondence a	ddress below
Name	Dennis Kelly Sullivan				
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Name (Print/Type)	Dennis Kelly Sullivan	Registration No. (Attorney/Ag	_{tent)} 26,510
Signature	Denn & An	l De	ate 3/25/04

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



Approved for use through 07/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Complete if Known **FEE TRANSMITTAL Application Number** Filing Date for FY 2004 Zhengbai Liu First Named Inventor Effective 10/01/2003. Patent fees are subject to annual revision. **Examiner Name** Applicant claims small entity status. See 37 CFR 1.27 Art Unit TOTAL AMOUNT OF PAYMENT (\$) 856.00 D5547 Attorney Docket No. FEE CALCULATION (continued) METHOD OF PAYMENT (check all that apply) Money Order 3. ADDITIONAL FEES Other Check Credit card None arge Entity , Small Entity ✓ Deposit Account: Fee Fee **Fee Description** Code Fee Paid Deposit Code (\$) 14-0603 Account 1051 130 2051 65 Surcharge - late filing fee or oath Number Deposit 25 Surcharge - late provisional filing fee or 50 2052 1052 International Truck & Engine cover sheet Name 130 Non-English specification 1053 130 1053 The Director is authorized to: (check all that apply) 1812 2,520 For filing a request for ex parte reexamination 1812 2,520 Credit any overpayments Charge fee(s) indicated below 920* Requesting publication of SIR prior to 920 1804 1804 ✓ Charge any additional fee(s) or any underpayment of fee(s) Examiner action 1805 1,840* Requesting publication of SIR after Charge fee(s) indicated below, except for the filing fee 1805 1,840 Examiner action to the above-identified deposit account 55 Extension for reply within first month 1251 110 2251 **FEE CALCULATION** 210 Extension for reply within second month 2252 1252 420 1. BASIC FILING FEE 475 Extension for reply within third month 1253 950 2253 arge Entity Small Entity Fee Paid **Fee Description** 1254 1,480 740 Extension for reply within fourth month 2254 Fee Fee Code (\$) ode (\$) 1.005 Extension for reply within fifth month 2255 1255 2.010 Utility filing fee 1001 770 2001 385 770.00 2401 1401 330 165 Notice of Appeal 2002 170 Design filing fee 1002 340 1402 330 2402 165 Filing a brief in support of an appeal 1003 530 2003 265 Plant filing fee 145 Request for oral hearing 1403 290 2403 Reissue filing fee 1004 770 2004 385 1451 1,510 Petition to institute a public use proceeding 1451 1.510 Provisional filing fee 1005 160 2005 80 55 Petition to revive - unavoidable 2452 1452 110 SUBTOTAL (1) (\$) 770.00 1453 1,330 2453 665 Petition to revive - unintentional 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE 1501 1,330 2501 665 Utility issue fee (or reissue) Fee from Extra Claims Fee Paid 1502 480 2502 240 Design issue fee below О x 18 Total Claims -20** = 640 2503 320 Plant issue fee 1503 Independent 86 4 x 86 130 Petitions to the Commissioner 1460 130 1460 Multiple Dependent 50 Processing fee under 37 CFR 1.17(q) 1807 1807 50 Large Entity Small Entity 180 Submission of Information Disclosure Stmt 1806 180 1806 Fee Fee Code (\$) 40 Recording each patent assignment per Fee Description Fee Fee Code (\$) 8021 40 8021 property (times number of properties) Claims in excess of 20 2202 1202 18 385 Filing a submission after final rejection 1809 770 2809 Independent claims in excess of 3 1201 86 2201 43 (37 CFR 1.129(a)) Multiple dependent claim, if not paid 770 385 For each additional invention to be 1203 290 2203 145 1810 2810 examined (37 CFR 1.129(b)) ** Reissue independent claims 1204 2204 385 Request for Continued Examination (RCE) 770 2801 1801 over original patent 900 Request for expedited examination 900 1802 ** Reissue claims in excess of 20 1802 1205 18 2205 9 of a design application and over original patent Other fee (specify) [(\$) 86.00 SUBTOTAL (2)

**or number previously paid, if greater; For Reissues, see above (Complete (if applicable)) SUBMITTED BY Registration No. Telephone 630-753-2311 26,510 Name (Print/Type) Denkis Kelly Sullivan 3/25/04 Signature

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.